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TITLE: FISHLINE

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INVENTOR-INFORMATION:

NAME

COUNTRY

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a fishline not only having high mechanical strengths, high modulus and low elongation at break but also having long-term stability even if exposed to conditions of high temperature and high humidity and light irradiation.

SOLUTION: This fishline is composed of a polybenzazole fiber containing an organic pigment such as of perinone and/or perylene, phthalocyanine, quinacridone or dioxazine that is highly heat-resistant one with a thermal decomposition temperature of 200°C or higher and soluble to mineral acids. The polybenzazole fiber has a mechanical strength retention of 50% or greater after exposed to xenon light for 100 h and a tensile strength retention of 85% or greater after exposed to an atmosphere of 80°C and 80% RH (relative humidity) for 700 h.

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